

Applicants: Hay and Hawkins
Application No.: 09/270,983
Filed: March 17, 1999
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In the Claims

Please amend claim 1 to read as follows:

- E2
Sub-G1
1. (Thrice Amended) A fusion protein comprising:
 - a) a reporter polypeptide linked to a linker polypeptide comprising a protease cleavage site;
wherein said reporter polypeptide is an enzyme, a transcriptional activator, or a polypeptide having an epitope that can be bound by an antibody or active antibody fragment; and
 - b) a repressor polypeptide that represses the activity of the reporter polypeptide by conferring a specific localization in a cell such that the reporter polypeptide has reduced activity, wherein said repressor polypeptide is linked to the linker polypeptide, and
wherein cleavage of said linker polypeptide at said protease cleavage site increases the activity of said reporter.

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Please add new claims 57 and 58 as follows:

57. (New) The fusion protein of claim 1, wherein the reporter polypeptide is a transcription factor.

E3
But GP
58. (New) The fusion protein of claim 1, wherein the inhibitor polypeptide is a transmembrane protein and the linker peptide is linked to the intracellular domain of the transmembrane protein.